

What is claimed is:

1. An ink jet printer comprising:

a recording head, having a nozzle, for jetting ink to be cured by irradiating with an ultraviolet ray from the nozzle, the ink jetted from the nozzle arriving at a recording medium; and

an ultraviolet ray irradiating device for irradiating the ink jetted by the recording head with a plurality of ultraviolet rays, an image being formed by irradiating the ink of the recording medium with the ultraviolet rays of the ultraviolet ray irradiating device and curing the ink,

wherein the ultraviolet ray irradiating device comprises a plurality of ultraviolet ray sources respectively emitting a plurality of ultraviolet rays of a plurality of light emitting wavelength peaks different from one another.

2. The ink jet printer of claim 1; wherein the ultraviolet ray sources emitting the ultraviolet rays of the different light emitting wavelength peaks are arranged in the single ultraviolet ray irradiating device.

3. The ink jet printer of claim 1; wherein the ultraviolet ray irradiating device comprises a plurality of ultraviolet ray irradiating devices, and the ultraviolet ray sources emitting the ultraviolet rays of the different

light emitting wavelength peaks are arranged in each of the ultraviolet ray irradiating devices.

4. The ink jet printer of claim 1; wherein at least one ultraviolet ray source of the ultraviolet ray having a shorter wavelength component at the light emitting wavelength peak is arranged at a position adjacent to and closer to the recording head than that of the other ultraviolet ray source.

5. The ink jet printer of claim 1; wherein the light emitting wavelength peaks of the ultraviolet ray sources range from 220nm to 400nm.

6. The ink jet printer of claim 1; wherein each ultraviolet ray source is a hot cathode tube, a cold cathode tube, a light emitting diode or a semiconductor laser.

7. The ink jet printer of claim 1; wherein the ultraviolet ray irradiating device is arranged only on a side of a recording surface of the recording medium.

8. The ink jet printer of claim 1; wherein the ink is a cationic curable ink.

9. The ink jet printer of claim 1; wherein the recording head is of a serial head type, and the ultraviolet ray irradiating device is arranged at least on one of both sides of the recording head in a main scanning direction.

10. The ink jet printer of claim 1; wherein the recording head is of a line head type, and the ultraviolet ray irradiating device is arranged on a downstream side of the recording head in a feeding direction of the recording medium.